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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,481	12/07/2004	Albertus Aemilius Seyno Sluyterman	NL 020532	6121

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P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

PERVAN, MICHAEL

ART UNIT PAPER NUMBER

2629

DATE MAILED: 10/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/517,481	Applicant(s) SLUYTERMAN, ALBERTUS AEMILIUS SEYNO	
	Examiner Michael Pervan	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3-6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 December 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 2 recites the limitation "first information signal" in lines 4-5, "second information signal" in lines 3-4 and "third information signal" in line 6. There is insufficient antecedent basis for this limitation in the claim. The examiner suggests either inserting "matrix" before information in each instance or removing "matrix" before each instance of "information" in claim 1.

Claim 3 recites the limitation "the first and third information signal" in line 2. There is insufficient antecedent basis for this limitation in the claim. The examiner suggests either inserting "matrix" before information or removing "matrix" before each instance of "information" in claim 1.

Claim 4 recites the limitation "first information signal" in line 6, "second information signal" in lines 7 and 9 and "third information signal" in line 8. There is insufficient antecedent basis for this limitation in the claim. The examiner suggests either inserting "matrix" before information in each instance or removing "matrix" before each instance of "information" in claim 1.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Brown Elliott (US 2005/0104908).

In regards to claim 1, Brown Elliott discloses an image display system comprising:

an analog display for displaying images composed of substantially parallel lines and having a display screen (Figures 4, 4A and paragraph 45, lines 1-4; as can be seen from the drawing the display is composed of substantially parallel lines);

means for scanning the lines in a scanning direction with a scanning velocity V (paragraph 45, lines 1-4; since the CRT projects electron beams onto the screen (phosphor surface), it would be inherent to have a scanning velocity because the beam would need to scan the screen in order to produce an image);

processing means for receiving a first, a second and a third matrix information signal (Figure 4 and paragraph 45, lines 1-4; as can be seen in the drawing the electron beams (R, G, B) are projected onto the screen. Since the electron guns are projecting three beams, there must be a first, second and third matrix information signal being received to drive the beams (R, G, B)) suitable to be displayed on a matrix display device having a plurality of pixels (Figure 4A; as can be seen from the drawing the screen has rows of pixels), each pixel having a plurality N of colored pixel sub-components (paragraph 45, lines 10-19) and a period TP of time allocated for transferring information related to one pixel (it would be inherent to have a period of

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time allocated for transferring information related one pixel because pixel information needs to be sent and takes a period of time to send it, therefore a period of time would be allocated. In other words one frame.) to shift the rendering on the screen of at least one of the information signals with respect to another one of the information signals by an amount proportional to $V \cdot TP/N$ (Figure 4A and paragraph 45, lines 10-19; V is the scanning velocity, which for example could be 60 Hz. TP is the frame period, which for example is 16 ms. N is the number of sub-components, which in this case is 3 (R, G, B). Therefore the shift ends up being 1/3 of one frame).

In regards to claim 2, Brown Elliott discloses each pixel having a predetermined sequence of a red, a green and a blue sub-component (paragraph 45, lines 10-13), the processing means being arranged to shift, by an amount of substantially $V \cdot TP/3$ with respect to the second information signal containing information about the green sub-component, the first information signal containing information about the red sub-component in the counter-scanning direction, and the third information signal containing information about the blue sub-component, in the scanning direction (Figure 4A and paragraph 45, lines 10-19; V is the scanning velocity, which for example could be 60 Hz. TP is the frame period, which for example is 16 ms. N is the number of sub-components, which in this case is 3 (R, G, B). Therefore the shift ends up being 1/3 of one frame).

Allowable Subject Matter

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5. Claims 3-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The examiner was unable to find a reference or combination of references that teach all the limitations of claims 3 and 4.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Pervan whose telephone number is (571) 272-0910. The examiner can normally be reached on Monday - Friday between 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on (571) 272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MVP
Sept. 29, 2006

AMR A. AWAD
SUPERVISORY PATENT EXAMINER

A handwritten signature in black ink, appearing to read 'AMR A. AWAD', with a large, sweeping flourish extending to the right.